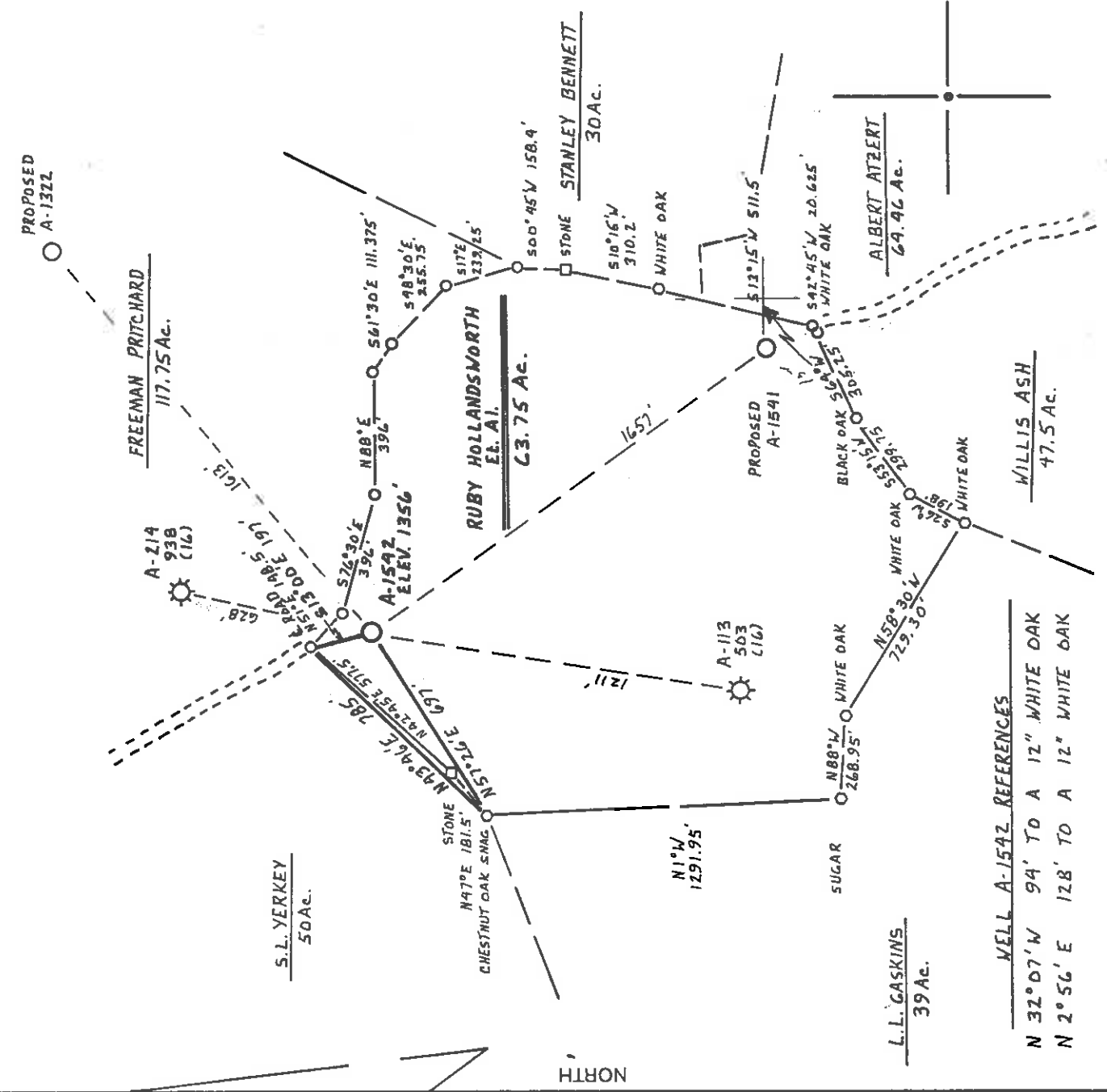


11/11 9/15/84

2850'
LATITUDE 39° 22' 30"

80° 37' 30"
LONGITUDE 13.250'



WELL A-1542 REFERENCES
N 32° 07' W 94' TO A 12" WHITE OAK
N 2° 56' E 128' TO A 12" WHITE OAK

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. R.M./RK
DRAWING NO. _____
SCALE 1" = 500'
MINIMUM DEGREE OF
ACCURACY 1 PART IN 200
PROVEN SOURCE OF
ELEVATION ALAMCO WELL A-214
API 938 ELEV. 1226'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
(SIGNED) Cliff R. Mann
R.P.E. _____ L.L.S. 711

PLACE SEAL HERE

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION



WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION 1356' WATER SHED RIGHT HAND FORK OF EAST RUN
DISTRICT GRANT COUNTY DODDRIDGE
QUADRANGLE SMITHBURG 7.5'
SURFACE OWNER RUBY HOLLANDSWORTH, ET AL. ACREAGE 63.75 Ac.
OIL & GAS ROYALTY OWNER RUBY HOLLANDSWORTH, ET AL. LEASE ACREAGE 63.75 Ac.
LEASE NO. 297

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON CLEAN OUT AND REPLUG _____
TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5750'
WELL OPERATOR ALAMCO DESIGNATED AGENT DANIEL L. WHEELER
ADDRESS P.O. Box 1740; CLARKSBURG, W. VIRGINIA ADDRESS P.O. Box 1740; CLARKSBURG, W. VIRGINIA
26302-1740 26302-1740

DATE JUNE 22 19 84
OPERATOR'S WELL NO. A-1542
API WELL NO. REVISED PLAT

47-017 COUNTY PERMIT
3323-Rev.
Cancel & Def

Dodd
COUNTY NAME

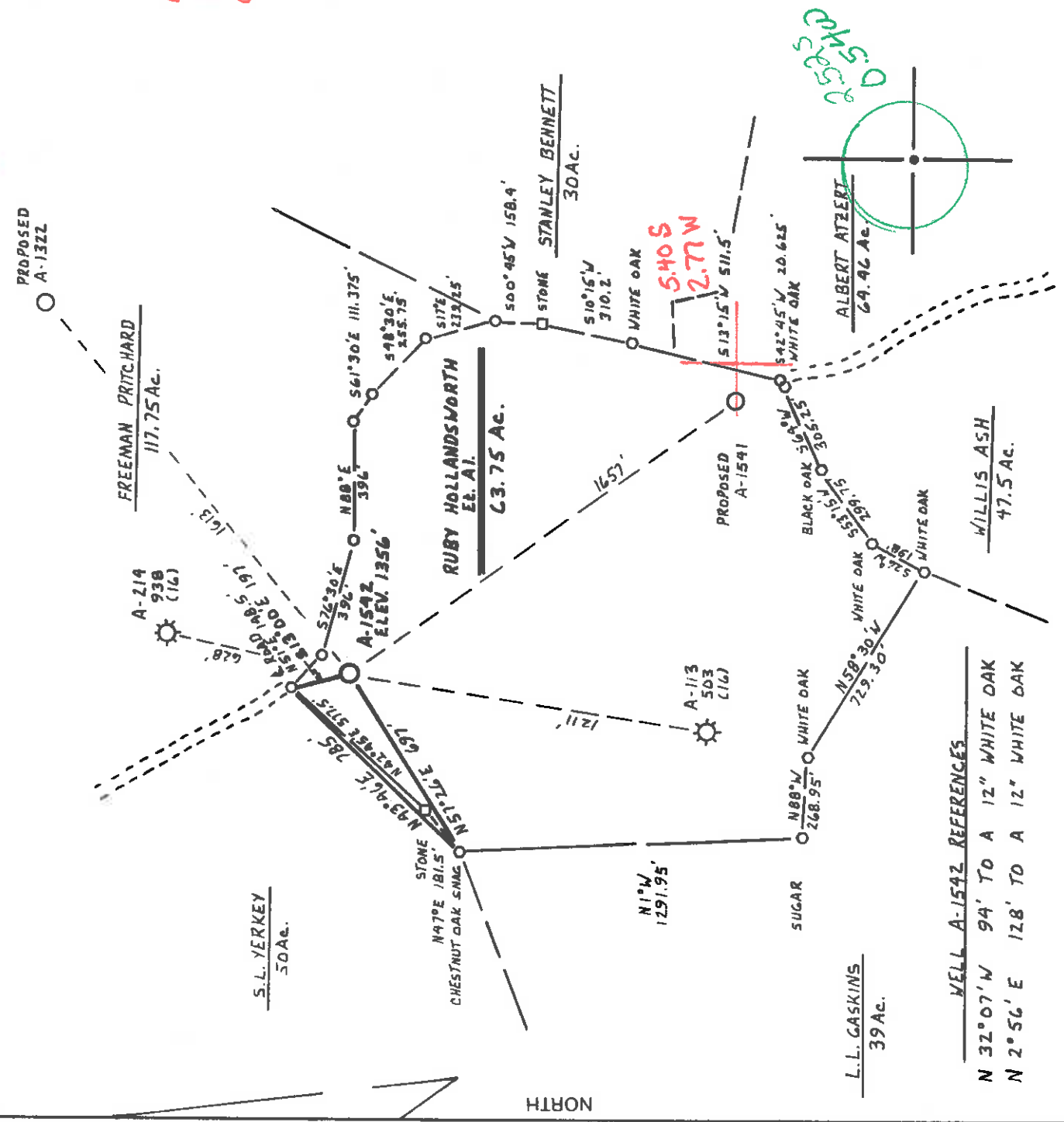
3323 Rev
PERMIT

NOV 10 1986

CODE PLOT

2850'
LATITUDE 39°22'30"
39°25'

80°37'30"
LONGITUDE 80°37'30"



WELL A-1542 REFERENCES
 N 32°07' W 94' TO A 12" WHITE DAK
 N 2°56' E 128' TO A 12" WHITE DAK

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. R.M. / RK
 DRAWING NO.
 SCALE 1" = 500'
 MINIMUM DEGREE OF
 ACCURACY 1 PART IN 200
 PROVEN SOURCE OF
 ELEVATION ALAMCO WELL A-214
API 938 ELEV. 1226'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
 (SIGNED) Cecil R. Main
 R.P.E. L.L.S. 711

PLACE SEAL HERE



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE JUNE 22, 1984
 OPERATOR'S WELL NO. A-1542
 API WELL NO. REVISED PLAT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1356' WATERSHED RIGHT HAND FORK OF EAST RUN
 DISTRICT GRANT 3 COUNTY DODDRIDGE
 QUADRANGLE SMITHBURG 7.5' & Cornerpoint 151
 SURFACE OWNER RUBY HOLLANDSWORTH, Et. Al.
 OIL & GAS ROYALTY OWNER RUBY HOLLANDSWORTH, Et. Al. LEASE ACREAGE 63.75Ac.
 LEASE NO. 297

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR
 STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW
 FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)

PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION ALEXANDER 610 ESTIMATED DEPTH 5750'
 WELL OPERATOR ALAMCO DESIGNATED AGENT DANIEL L. WHEELER
 ADDRESS P.O. Box 1740, CLARKSBURG, W. VIRGINIA ADDRESS P.O. Box 1740, CLARKSBURG, W. VIRGINIA
26302-1740 26302-1740

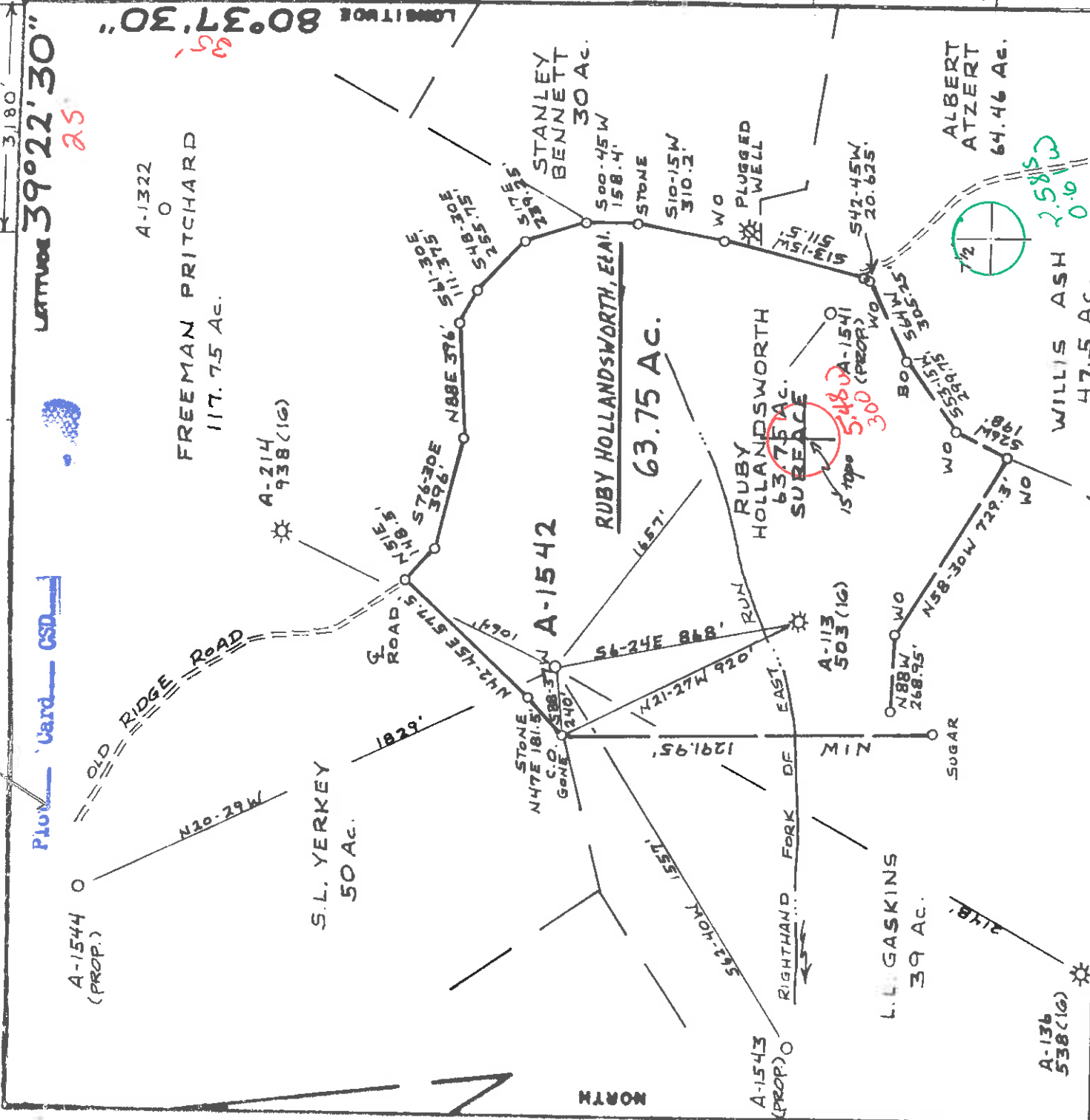
COUNTY NAME PERMIT

47 017 3323-REV.
 STATE COUNTY PERMIT

SEP 24 1984

FORM IV-6 (8-78)

HT HALL

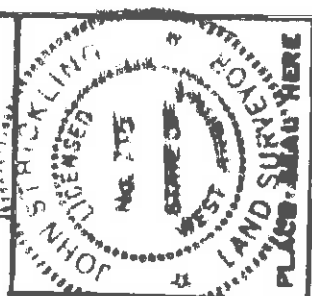


3180' LATITUDE 39°22'30" 25
 13.520' LONGITUDE 80°37'30" 6

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION WELL A-113 (503) ELEV. 1074'

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-79)

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
 (SIGNED) *John Strickling*
 R.P.E. L.L.S. 715



DATE 18 JANUARY, 1984
 OPERATOR'S WELL NO. A-1542
 API WELL NO. 47-017-3323
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES

OIL AND GAS DIVISION
 WELL TYPE: OIL - GAS LIQUID INJECTION - WASTE DISPOSAL
 LOCATION: ELEVATION 1047. WATER SHED EAST RUN
 DISTRICT GRANT 3 611 COUNTY DODDRIIDGE 022
 QUADRANGLE SMITHBURG W.V. 7 1/2' CENTERPOINT 15' C S
 SURFACE OWNER RUBY HOLLANDSWORTH ACREAGE 63.75
 OIL & GAS ROYALTY OWNER RUBY HOLLANDSWORTH, ET AL. LEASE NO. 297 LEASE ACREAGE 63.75 AC
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

ESTIMATED SEPT 5450' MAY 14 1984
 DESIGNATED AGENT DANIEL L. WHEELER
 ADDRESS P.O. BOX 1740 CLARKSBURG, W.V. 26302-1740



2) Operator's Well No. A-1542 Rev (Rush)
3) API Well No. 47 - 017 - 3323 - REV Permit
State County

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION
APPLICATION FOR A WELL WORK PERMIT

4) WELL TYPE: A Oil / Gas XX
B (If "Gas", Production / Undergrnd storage / Deep / Shallow XX)
5) LOCATION: Elevation: 1356' / Watershed: Right hand fork of East Run / County: Smithburg / Quadrangle: Smithburg 7.5'
6) WELL OPERATOR Alamco, Inc. / District: Grant / DESIGNATED AGENT D. L. Wheeler / P. O. Box 1740 / Address Clarksburg, WV 26301
8) OIL & GAS INSPECTOR TO BE NOTIFIED: Name Harold Mike Underwood / Address Route #2; Box 114 Salem, WV 26426
9) DRILLING CONTRACTOR: Name Development Drilling Corpn / Address P. O. Box 1740 Clarksburg, WV 26301

10) PROPOSED WELL WORK: Drill XX / deeper / Redrill / Stimulate / Plug off old formation / Perforate new formation XX / Other physical change in well (specify) _____
11) GEOLOGICAL TARGET FORMATION: Alexander
12) Estimated depth of completed well, 5750 feet
13) Approximate traata depths: Fresh, 300 feet; salt, _____ feet.
14) Approximate coal seam depths: Unknown Is coal being mined in the area? Yes _____

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	16"			20'	20'	Cement to surface
Fresh water	8-5/8"			700'	700'	Cement to surface
Coal			20#	X		
Intermediate			4.55			
Production	4-1/2"		10.50#	X	5750'	Req. by Ru. 501
Tubing						
Liners						

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-017-3323-REV Date September 17, 19 84

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof. Permit expires September 17, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>4</u>	Agent: <u>lo</u>	Plat: <u>MH MH</u>	Casing: <u>674</u>	Fec: _____
BLANKET				

Margaret J. Haase
Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

File

RECEIVED

AUG 2 1984

DEPT. OF MINE PACKERS



1) Date: April 13, 1984
 2) Operator's Well No. A-1542
 3) API Well No. 47 - 017 - 3323 State County Permit

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, OIL AND GAS DIVISION
 APPLICATION FOR A WELL WORK PERMIT

4) WELL TYPE: A Oil Gas
 B (If "Gas", Production)
 5) LOCATION: Elevation: 1067 Undergrnd storage Deep Shallow
 Watershed: East Run
 County: Doddridge
 6) WELL OPERATOR Alamco District: Grant Quadrangle: Smithburg 7.5'
 Address P. O. Box 1740 Address P. O. Box 1740
Clarksburg, WV 26301 Address Clarksburg, WV 26301
 7) DESIGNATED AGENT D. L. Wheeler
 Address P. O. Box 1740
 8) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Harold Mike Underwood
 Address Route 2, Box 114
Salem, WV 26426
 9) DRILLING CONTRACTOR:
 Name Development Drilling, Inc.
 Address P. O. Box 1740
Clarksburg, WV 26301

10) PROPOSED WELL WORK: Drill deeper Redrill Stimulate
 Plug off old formation Perforate new formation
 Other physical change in well (specify) _____
 11) GEOLOGICAL TARGET FORMATION, Alexander

12) Estimated depth of completed well, 5,450 feet
 13) Approximate traia depths: Fresh, 1.8 feet; salt, _____ feet.
 14) Approximate coal seam depths: Unknown Is coal being mined in the area? Yes No

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS		FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	Left in well		
Conductor	16"			20'	20'	Cement to surface
Fresh water						
Coal	8-5/8"		20#	700'	700'	Cement to surface <i>by rule</i>
Intermediate						
Production	4-1/2"		10-30#	5450'	5450'	Req. by Rule <i>15105</i>
Tubing						
Liners					15.01	

Perforations:
 Top _____
 Bottom _____

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-017-3323 Date May 9, 1984

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.
 Permit expires May 9, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Agent: <u>LP</u>	Plat: <u>MH</u>	Casing: <u>MH</u>	Fee: <u>25798</u>
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[Signature]
 Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.
 See the reverse side of the APPLICANT'S COPY for instructions to the well operator. File

